

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1    | 2    | ("572513").ap.  | US-PGPUB        | OR               | ON      | 2009/05/13 08:05 |
| S3    | 1    | 2004wo-jp014569.ap.   | DERWENT         | OR               | ON      | 2009/04/09 10:33 |
| S4    | 1    | ("20070051922").PN.   | US-PGPUB; USPAT | OR               | OFF     | 2009/05/07 16:55 |
| S5    | 1    | (2003JP-2003-343243).prai.  | US-PGPUB; USPAT | OR               | ON      | 2009/05/07 16:57 |
| S6    | 1    | 2006us-573839   | DERWENT         | OR               | ON      | 2009/05/08 07:53 |
| S7    | 4374 | (428/690).CCLS.   | US-PGPUB; USPAT | OR               | OFF     | 2009/05/08 08:00 |
| S8    | 1    | ("7135579").PN.   | US-PGPUB; USPAT | OR               | OFF     | 2009/05/08 08:07 |
| S9    | 51   | ("571353" "722361" "993660" "993703" "366099" "375448" "439706" "386710" "518713" "520612" "556771" "571352" "647404" "037046" "554533" "720214" "997161" "139806" "279739" "508861" "550059" "309101" "505051" "518713" "532937" "556463" "582394" "587029").ap. | US-PGPUB        | OR               | ON      | 2009/05/08 08:17 |
| S10   | 1    | 2002jp-315516   | DERWENT         | OR               | ON      | 2009/05/08 08:23 |
| S11   | 1    | (2002jp-2002-315516)  | US-PGPUB; USPAT | OR               | ON      | 2009/05/08 08:27 |
| S12   | 1    | (2003jp-2003-343243)  | US-PGPUB; USPAT | OR               | ON      | 2009/05/08 08:27 |
| S13   | 15   | ("993660" "993703" "066099" "375448" "439706" "518713" "647404" "997161" "508861").ap.  | US-PGPUB        | OR               | ON      | 2009/05/08 09:08 |
| S14   | 1    | 2002jp-199750   | DERWENT         | OR               | ON      | 2009/05/08 09:41 |
| S15   | 1    | 2002jp-185712   | DERWENT         | OR               | ON      | 2009/05/08 09:42 |
| S16   | 1    | 2002jp-281218   | DERWENT         | OR               | ON      | 2009/05/08 09:42 |
| S17   | 1    | 2002jp-212138   | DERWENT         | OR               | ON      | 2009/05/08 09:42 |
| S18   | 1    | 2003jp-053077   | DERWENT         | OR               | ON      | 2009/05/08 09:44 |
| S19   | 1    | 2002jp-086173   | DERWENT         | OR               | ON      | 2009/05/08 09:44 |
| S20   | 1    | ("20070051922").PN.   | US-PGPUB; USPAT | OR               | OFF     | 2009/05/08 09:52 |

|     |       |   |                 |    |     |                  |
|-----|-------|---|-----------------|----|-----|------------------|
| S21 | 31901 | ((428/917,411.4,336) or (427/58,66) or (313/502-509) or (257/40,88-104,e51.001-e51.052) or (252/301.16-301.35)).OCLS. | US-PGPUB; USPAT | OR | OFF | 2009/05/08 09:53 |
| S22 | 32811 | S7 S21  | US-PGPUB; USPAT | OR | ON  | 2009/05/08 09:53 |
| S23 | 15091 | S22 and (polymer\$ oligomer\$)  | US-PGPUB; USPAT | OR | ON  | 2009/05/08 09:54 |
| S24 | 21894 | S22 and (@pd<"20040928" @ad<"20040928")   | US-PGPUB; USPAT | OR | ON  | 2009/05/08 09:55 |
| S25 | 9463  | S24 and (polymer\$ oligomer\$)  | US-PGPUB; USPAT | OR | ON  | 2009/05/08 09:55 |
| S26 | 701   | S24 and (phenanthren\$)   | US-PGPUB; USPAT | OR | ON  | 2009/05/08 09:56 |
| S27 | 609   | S25 and (phenanthren\$)   | US-PGPUB; USPAT | OR | ON  | 2009/05/08 09:56 |
| S28 | 654   | S25 and (\$phenanthren\$)   | US-PGPUB; USPAT | OR | ON  | 2009/05/08 09:57 |
| S29 | 1     | 2002jp-284862   | DERWENT         | OR | ON  | 2009/05/08 10:26 |
| S31 | 1     | jp-2002284862-\$ did.   | DERWENT         | OR | ON  | 2009/05/08 10:28 |
| S32 | 1     | jp-2003221579-\$ did.   | DERWENT         | OR | ON  | 2009/05/08 10:31 |
| S33 | 1     | jp-2004168999-\$ did.   | DERWENT         | OR | ON  | 2009/05/08 10:32 |
| S34 | 1     | ("20020028347").PN.   | US-PGPUB; USPAT | OR | OFF | 2009/05/08 10:47 |
| S36 | 618   | (528/425).OCLS.   | US-PGPUB; USPAT | OR | OFF | 2009/05/08 11:42 |
| S37 | 1     | jp-2002284662-\$ did.   | DERWENT         | OR | ON  | 2009/05/08 13:04 |
| S38 | 1     | 2002jp-284662   | DERWENT         | OR | ON  | 2009/05/08 13:05 |
| S39 | 0     | wo1999054385  | DERWENT         | OR | ON  | 2009/05/08 13:06 |
| S40 | 0     | wo199954385   | DERWENT         | OR | ON  | 2009/05/08 13:06 |
| S41 | 2213  | (528/405,417,422,8,394).OCLS.   | US-PGPUB; USPAT | OR | OFF | 2009/05/08 13:32 |
| S42 | 1953  | S41 and (@pd<"20040928" @ad<"20040928")   | US-PGPUB; USPAT | OR | ON  | 2009/05/08 13:32 |
| S43 | 456   | (dibenzopyran) (dibenzo adj4 pyran)   | US-PGPUB; USPAT | OR | ON  | 2009/05/11 10:30 |
| S44 | 387   | S43 and (@pd<"20040928" @ad<"20040928")   | US-PGPUB; USPAT | OR | ON  | 2009/05/11 10:30 |
| S45 | 323   | S43 and (polymer\$3)  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 10:31 |
| S46 | 265   | S45 and (@pd<"20040928" @ad<"20040928")   | US-PGPUB; USPAT | OR | ON  | 2009/05/11 10:31 |

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| S47 | 5     | S43 same (polymer\$3)  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:32 |
| S48 | 415   | (dinaphthopyran) (dinaphtho adj4<br>pyran)   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:42 |
| S49 | 392   | S48 and (@pd<"20040928"<br>[@ad<"20040928"])   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:42 |
| S50 | 333   | S49 and polymer  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:43 |
| S51 | 373   | S48 and polymer\$  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:43 |
| S52 | 2     | S48 same polymer\$   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:43 |
| S53 | 4938  | \$pyran same polymer\$3  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:47 |
| S54 | 3489  | S53 and (@pd<"20040928"<br>[@ad<"20040928"])   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:48 |
| S55 | 530   | (\$pyran same polymer\$3) and<br>(electroluminescen\$ luminescen\$)  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:49 |
| S56 | 255   | S55 and (@pd<"20040928"<br>[@ad<"20040928"])   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>10:51 |
| S57 | 3     | (("20080145571") or<br>("20080003422") or<br>("20070063190")).PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2009/05/11<br>11:35 |
| S59 | 6     | ((("20040021496") or<br>("20040131880") or<br>("20040131881") or ("6022307") or<br>("3929832") or ("3136782")).PN.             | US-PGPUB;<br>USPAT   | OR | OFF | 2009/05/11<br>12:48 |
| S60 | 49    | (dibenzopyran)   | EPO; JPO;<br>DERWENT | OR | ON  | 2009/05/11<br>13:19 |
| S62 | 3     | (dibenzopyran) and (polymer\$3)  | EPO; JPO;<br>DERWENT | OR | ON  | 2009/05/11<br>13:20 |
| S63 | 14    | (dibenzopyran\$5 (dibenzo adj3<br>pyran\$5)) and (polymer\$3)  | EPO; JPO;<br>DERWENT | OR | ON  | 2009/05/11<br>13:27 |
| S64 | 613   | (dibenzopyran\$5) (dibenzo adj4<br>pyran\$5)   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>13:29 |
| S65 | 440   | S64 and (polymer\$3)   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>13:30 |
| S66 | 328   | S65 and (@pd<"20040928"<br>[@ad<"20040928"])   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>13:30 |
| S67 | 4374  | (428/690).CCLS.  | US-PGPUB;<br>USPAT   | OR | OFF | 2009/05/11<br>13:31 |
| S68 | 31901 | ((428/917,411.4,336) or<br>(427/58,66) or (313/502-509) or<br>(257/40,88-104,e51.001-e51.052)<br>or (252/301.16-301.35)).CCLS. | US-PGPUB;<br>USPAT   | OR | OFF | 2009/05/11<br>13:31 |
| S69 | 32811 | S67 S68  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>13:31 |
| S70 | 7     | S69 and S65  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/05/11<br>13:31 |

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| S71 | 1854  | (\$pyran same polymer\$3) and (electrolumines\$5 luminesc\$5 fluores\$5 electrophosphores\$5)                                    | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:36 |
| S72 | 2213  | (528/405,417,422,8,394).CCLS.  | US-PGPUB; USPAT | OR | OFF | 2009/05/11 14:40 |
| S73 | 34877 | S69 S72  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:40 |
| S74 | 216   | S71 and S73  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:40 |
| S75 | 92    | S74 and (@pd<"20040928" @ad<"20040928")  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:40 |
| S76 | 246   | ((dibenzopyran\$5) (dibenzo adj4 pyran\$5)) and (electrolumines\$5 luminesc\$5 fluores\$5 electrophosphores\$5)                  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:41 |
| S77 | 4     | S76 and S73  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:41 |
| S78 | 213   | S76 and (@pd<"20040928" @ad<"20040928")  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:43 |
| S79 | 207   | S76 and (polymer\$3)   | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:45 |
| S80 | 176   | S79 and (@pd<"20040928" @ad<"20040928")  | US-PPUB; USPAT  | OR | ON  | 2009/05/11 14:45 |
| S81 | 2     | ((dibenzopyran\$5) (dibenzo adj4 pyran\$5)) same polymer\$3) and (electrolumines\$5 luminesc\$5 fluores\$5 electrophosphores\$5) | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:46 |
| S82 | 330   | (528/417).CCLS.  | US-PGPUB; USPAT | OR | OFF | 2009/05/11 14:50 |
| S83 | 297   | S82 and (@pd<"20040928" @ad<"20040928")  | US-PGPUB; USPAT | OR | ON  | 2009/05/11 14:50 |
| S84 | 2     | (polymer adj compound adj polymer adj light adj emitting).ti.  | EPO             | OR | ON  | 2009/05/12 11:34 |
| S85 | 0     | JP2002114649   | EPO             | OR | ON  | 2009/05/12 11:37 |
| S86 | 1     | JP2002114649A  | EPO             | OR | ON  | 2009/05/12 11:37 |
| S87 | 257   | spiro adj3 ((dibenzopyran) (dibenzo adj4 pyran))   | US-PGPUB; USPAT | OR | ON  | 2009/05/12 12:56 |
| S88 | 229   | S87 and (polymer\$ oligomer\$)   | US-PGPUB; USPAT | OR | ON  | 2009/05/12 12:56 |
| S89 | 212   | S88 and (@pd<"20040928" @ad<"20040928")  | US-PGPUB; USPAT | OR | ON  | 2009/05/12 12:57 |
| S90 | 1     | S87 same (polymer\$ oligomer\$)  | US-PGPUB; USPAT | OR | ON  | 2009/05/12 12:57 |
| S91 | 240   | S87 and (@pd<"20040928" @ad<"20040928")  | US-PGPUB; USPAT | OR | ON  | 2009/05/12 12:58 |

5/13/2009 9:29:33 AM

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